Day : Thursday
Date: 3/20/2003
Time: 17:28:13

PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = HERMIDA OCHOA
First Name = ELIAS

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10082743	Not Issued	030	02/22/2002	REGENERATION OF ARTICULAR CARTILAGE DAMAGED BY GRADE I AND II OSTEOARTHRITIS BY MEANS OF THE INTRAARTICULAR APPLICATION OF A MIXTURE OF SODIUM HYALURONATE AND CHONDROITIN SULFATE IN A GEL VEHICLE	HERMIDA OCHOA, ELIAS HUMBERTO

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name HERMIDA OCHOA

First Name ELIAS

Search

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L Number	Hits	Search Text	DB	Time stamp
1	3062	514/54	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:15
2	586	514/54 and hyaluron$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:15
3	106	(514/54 and hyaluron$) and osteoarthri$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:16
4	97	((514/54 and hyaluron$) and osteoarthri$) and (cartilage or degenera$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:17
5	456	514/54 and chondroitin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:17
6	95	(514/54 and chondroitin) and osteoarthri$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:17
7	91	((514/54 and chondroitin) and osteoarthri$) and (cartilage or degenera$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:18
8	77	(((514/54 and hyaluron$) and osteoarthri$) and (cartilage or degenera$)) and (((514/54 and chondroitin) and osteoarthri$) and (cartilage or degenera$))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:18
9	11	((((514/54 and hyaluron$) and osteoarthri$) and (cartilage or degenera$)) and (((514/54 and chondroitin) and osteoarthri$) and (cartilage or degenera$))) and viscoelas$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:20
10	889	514/825	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:20
12	23	(514/825 and chondroitin) and osteoarthri$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:23
13	19	((514/825 and chondroitin) and osteoarthri$) and hyaluron$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:23
11	33	514/825 and chondroitin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:28
14	555	536/55.1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:28
15	0	536/55.1 and chondoitin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:28
16	113	536/55.1 and chondroitin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:29
17	33	(536/55.1 and chondroitin) and osteoarthri$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:36

18	220	536/55.1 and hyaluron$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:36
19	48	(536/55.1 and hyaluron$) and osteoarthri$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:36
20	40	((536/55.1 and hyaluron$) and osteoarthri$) and cartilage	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:36
21	30	(((536/55.1 and hyaluron$) and osteoarthri$) and cartilage) and degenera$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:37
22	23	((((536/55.1 and hyaluron$) and osteoarthri$) and cartilage) and degenera$) and ((536/55.1 and chondroitin) and osteoarthri$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/03/20 16:37

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NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS 41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS 42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 43	Feb 13	CANCERLIT is no longer being updated
NEWS 44	Feb 24	METADEX enhancements
NEWS 45	Feb 24	PCTGEN now available on STN

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NEWS 46   Feb 24   TEMA now available on STN
NEWS 47   Feb 26   NTIS now allows simultaneous left and right truncation
NEWS 48   Feb 26   PCTFULL now contains images
NEWS 49   Mar 04   SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 50   Mar 19   APOLLIT offering free connect time in April 2003

NEWS EXPRESS  January 6 CURRENT WINDOWS VERSION IS V6.01a,
              CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
              AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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NEWS INTER    General Internet Information
NEWS LOGIN    Welcome Banner and News Items
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FILE 'HOME' ENTERED AT 11:16:39 ON 20 MAR 2003

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    0.21       0.21

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STRUCTURE FILE UPDATES:   19 MAR 2003  HIGHEST RN 500101-42-8
DICTIONARY FILE UPDATES:  19 MAR 2003  HIGHEST RN 500101-42-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
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PROPERTIES for more information.  See STNote 27, Searching Properties
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http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> s 123352-36-3
L1            1 123352-36-3
                (123352-36-3/RN)

=> file hcaplus
```

```
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.40       0.61

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```



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FILE COVERS 1907 - 20 Mar 2003  VOL 138 ISS 12
FILE LAST UPDATED: 19 Mar 2003  (20030319/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.


=> s l1 and (osteoarthri? or arthrit?)
            7 L1
         4457 OSTEOARTHRI?
        29172 ARTHRIT?
L2          0 L1 AND (OSTEOARTHRI? OR ARTHRIT?)

=> s l1 and cartilage
            7 L1
        19263 CARTILAGE
          870 CARTILAGES
        19396 CARTILAGE
                 (CARTILAGE OR CARTILAGES)
L3          0 L1 AND CARTILAGE

=> FIL REGISTRY

COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         6.76       7.37

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DICTIONARY FILE UPDATES:  19 MAR 2003  HIGHEST RN 500101-42-8

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Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
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=> S 123352-36-3/RN

L4 1 123352-36-3/RN

=> FIL MSDS-OHS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	7.77

FILE 'MSDS-OHS' ENTERED AT 11:19:04 ON 20 MAR 2003
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=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> SET LIN 80

SET COMMAND COMPLETED

=> S L4 AND 1/RN.CNT

0 L4
29082 1/RN.CNT
L5 0 L4 AND 1/RN.CNT

=> D ALL 1-

L5 HAS NO ANSWERS
L4 1 SEA FILE=REGISTRY ABB=ON PLU=ON 123352-36-3/RN
L5 0 SEA FILE=MSDS-OHS ABB=ON PLU=ON L4 AND 1/RN.CNT

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.30	9.07

FILE 'REGISTRY' ENTERED AT 11:20:09 ON 20 MAR 2003

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DICTIONARY FILE UPDATES: 19 MAR 2003 HIGHEST RN 500101-42-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L4 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 5.63 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN **123352-36-3** REGISTRY
CN Chondroitin, hydrogen sulfate, sodium salt, mixt. with hyaluronic acid sodium salt (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Hyaluronic acid, sodium salt, mixt. contg. (9CI)
OTHER NAMES:
CN Viscoat
MF H2 O4 S . x Na . x Unspecified . Unspecified
CI MXS
SR CA
LC STN Files: BIOBUSINESS, BIOSIS, CA, CAPLUS, CIN, MEDLINE, PHARMASEARCH, PROMT, TOXCENTER, USPATFULL

CM 1

CRN 9067-32-7
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 9082-07-9

CMF H2 O4 S . x Na . x Unspecified

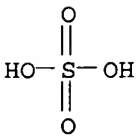
CM 3

CRN 9007-27-6
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 4

CRN 7664-93-9
CMF H2 O4 S



7 REFERENCES IN FILE CA (1962 TO DATE)
7 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.88	11.95

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FILE COVERS 1907 - 20 Mar 2003 VOL 138 ISS 12
FILE LAST UPDATED: 19 Mar 2003 (20030319/ED)

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=> file polymers

COST IN U.S. DOLLARS	SINCE FILE	TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	2.25	14.20

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FILE 'WTEXTILES' ENTERED AT 11:22:15 ON 20 MAR 2003

=> s arthriti?
L6 225795 ARTHRITI?

=> s l6 and osteo
L7 4097 L6 AND OSTEO

=> s l7 and cartilage
L8 1349 L7 AND CARTILAGE

=> s l8 and (compos? or compoun?)
10 FILES SEARCHED...
18 FILES SEARCHED...
L9 353 L8 AND (COMPOS? OR COMPOUN?)

=> s l9 and (hyaluron? or chondroitin)
L10 79 L9 AND (HYALURON? OR CHONDROITIN)

=> s l10 and (treat? or method)
10 FILES SEARCHED...
18 FILES SEARCHED...
L11 67 L10 AND (TREAT? OR METHOD)

=> s l11 and degener?
L12 37 L11 AND DEGENER?

=> s l9 and viscoat
L13 0 L9 AND VISCOAT

=> dis l12 1-37 bib abs

L12 ANSWER 1 OF 37 CAPLUS COPYRIGHT 2003 ACS
AN 1990:400283 CAPLUS
DN 113:283
TI Polysulfated glycosaminoglycan accelerates net synthesis of collagen and glycosaminoglycans by **arthritic** equine **cartilage** tissues and chondrocytes
AU Glade, Michael J.
CS Dep. Pharmacol., Northwestern Univ., Chicago, IL, 60611, USA
SO American Journal of Veterinary Research (1990), 51(5), 779-85
CODEN: AJVRAH; ISSN: 0002-9645
DT Journal
LA English
AB Low mol. wt. polysulfated glycosaminoglycan (PSGAG) stimulated net collagen and glycoaminoglycan synthesis by normal and **arthritic** equine fetlock **cartilage** tissues in organ culture. **Arthritic** tissues were more sensitive to PSGAG stimulation. The rates of **cartilage**-specific type-II collagen and **chondroitin** sulfate-rich glycosaminoglycan synthesis by confluent chondrocyte cell cultures obtained from normal and **arthritic** equine **cartilage** tissues were increased by 25 and 50 mg of PSGAG/mL. Cells from **arthritic cartilage** were also more sensitive to the presence of PSGAG. In addn., concns. of PSGAG (25 and 50 mg/mL) approx. to those in synovial fluid after intra-articular injection of 250 mg of PSGAG inhibited the rate of collagen and glycosaminoglycan degrdn. in cell culture. These findings suggest that PSGAG may have a role in the heating of mild **cartilage** **degeneration** by encouraging the prodn. of replacement hyaline matrix materials, while delaying their subsequent degrdn. In contrast,

growth of cell cultures was inhibited by PSGAG, suggesting that these **compds**. may fail to stimulate chondrocyte replication, a prerequisite for tissue regeneration. Nonetheless, these observations provide direct evidence of a truly chondroprotective role for low mol. wt. PSGAG in the **treatment** of equine **degenerative** joint disease.

L12 ANSWER 2 OF 37 SCISEARCH COPYRIGHT 2003 ISI (R)
AN 2003:110074 SCISEARCH
GA The Genuine Article (R) Number: 638MW
TI Alternative therapies for traditional disease states: Osteoarthritis
AU Morelli V (Reprint); Naquin C; Weaver V
CS Louisiana State Univ, Hlth Sci Ctr, Family Practice Residency Program, Med Ctr, 200 W Esplanade Ave, Suite 510, Kenner, LA 70065 USA (Reprint); Louisiana State Univ, Hlth Sci Ctr, Family Practice Residency Program, Med Ctr, Kenner, LA 70065 USA; Louisiana State Univ, Sch Med, Dept Family Med, Kenner, LA 70065 USA; Louisiana State Univ, Family Practice Ctr, Kenner, LA 70065 USA
CYA USA
SO AMERICAN FAMILY PHYSICIAN, (15 JAN 2003) Vol. 67, No. 2, pp. 339-344.
Publisher: AMER ACAD FAMILY PHYSICIANS, 8880 WARD PARKWAY, KANSAS CITY, MO 64114-2797 USA.
ISSN: 0002-838X.
DT Article; Journal
LA English
REC Reference Count: 41
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS
AB Americans spend more on natural remedies for osteoarthritis than for any other medical condition. in **treating** osteoarthritis, glucosamine and **chondroitin** sulfate, two of the molecular building blocks found in articular **cartilage**, are the most commonly used alternative supplements. In randomized trials of variable quality, these **compounds** show efficacy in reducing symptoms, but neither has been shown to arrest progression of the disease or regenerate damaged **cartilage**. Although few clinical trials on S-adenosylmethionine exist, preliminary evidence indicates that it relieves pain to a degree similar, to that of nonsteroidal anti-inflammatory drugs but with fewer side effects. Clinical trials of dimethyl sulfoxide offer conflicting results. Neither ginger nor cetyl myristoleate has proven clinical usefulness.

L12 ANSWER 3 OF 37 SCISEARCH COPYRIGHT 2003 ISI (R)
AN 2001:221601 SCISEARCH
GA The Genuine Article (R) Number: 407CF
TI Effect of pre-loading oral glucosamine HCI/**chondroitin** sulfate/manganese ascorbate combination on experimental **arthritis** in rats
AU Beren J; Hill S L; Diener-West M; Rose N R (Reprint)
CS Johns Hopkins Univ, Sch Med, Dept Pathol, 659 Ross Res Bldg, 720 Rutland Ave, Baltimore, MD 21205 USA (Reprint); Johns Hopkins Med Inst, Dept Pathol, Baltimore, MD 21205 USA; Johns Hopkins Med Inst, W Harry Feinstone Dept Mol Microbiol & Immunol, Baltimore, MD 21205 USA; Johns Hopkins Med Inst, Dept Biostat, Baltimore, MD 21205 USA
CYA USA
SO EXPERIMENTAL BIOLOGY AND MEDICINE, (FEB 2001) Vol. 226, No. 2, pp. 144-151.
Publisher: SOC EXPERIMENTAL BIOLOGY MEDICINE, 195 WEST SPRING VALLEY AVE, MAYWOOD, NJ 07607-1727 USA.
ISSN: 0037-9727.
DT Article; Journal
LA English
REC Reference Count: 40
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS
AB The therapeutic effect of a nutritional supplement consisting of a

combination of glucosamine hydrochloride (FCHG49), purified sodium **chondroitin** sulfate (TRH122), and manganese ascorbate (GCM)(3) was investigated in the rat model of collagen-induced autoimmune **arthritis** (CIA). The GCM **compound** was mixed with a palatable nutritional paste (Nutri-cal(R) [NC]). Oral administration of the NC/GCM **compound** was initiated in 26 rats 10 days before immunization and continued until the day of sacrifice. One group of 12 control rats was given no oral agents; a second group of 12 control rats received NC only. Evaluations included **arthritis** index (AI) scoring by three independent evaluators, histologic index (Hr) scoring of lesions, T-cell proliferation, and serological studies for antibody classes and sub-classes, Both the Al and HI criteria showed a statistically significant reduction in the prevalence of CIA in rats pretreated with the NC/GCM (54%) compared to the combined control groups (96%, chi (2) analysis P = 0.001), Rats fed the NC/GCM also exhibited a significant decrease in the severity of autoimmune **arthritis** in both the Al and HI compared to control Group 2 (immunized-NC) (chi (2) analysis P < 0.05), Histological studies verified the decreased incidence of **arthritis** in the NC/GCM group compared to control Group 2.

GCM **treatment** failed to alter T-cell proliferation and antibody production to bovine type-if collagen, indicating that its effects are not due to alteration of the antigen-specific immune response.

L12 ANSWER 4 OF 37 SCISEARCH COPYRIGHT 2003 ISI (R)
AN 1998:851457 SCISEARCH
GA The Genuine Article (R) Number: 135BZ
TI Exercise protects against articular **cartilage** **degeneration** in the hamster
AU Otterness I G (Reprint); Eskra J D; Blivin M L; Shay A K; Pelletier J P; Milici A J
CS PFIZER INC, CENT RES, DEPT RAIID, BOX 338, GROTON, CT 06340 (Reprint); UNIV MONTREAL, NOTRE DAME HOSP, MONTREAL, PQ H3C 3J7, CANADA
CYA USA; CANADA
SO ARTHRITIS AND RHEUMATISM, (NOV 1998) Vol. 41, No. 11, pp. 2068-2076. Publisher: LIPPINCOTT-RAVEN PUBL, 227 EAST WASHINGTON SQ, PHILADELPHIA, PA 19106.
ISSN: 0004-3591.
DT Article; Journal
FS LIFE; CLIN
LA English
REC Reference Count: 48
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS
AB Objective. It has been reported that osteoarthritis can occur in hamsters, The present study was undertaken to determine the effects of exercise on the **composition** of articular **cartilage** and synovial fluid and on the development of **cartilage** **degeneration** in these animals,

Methods. Young (2.5-month-old) group-housed hamsters were compared with 5.5-month-old hamsters that had undergone 3 months of daily wheel running exercise (6-12 km/day) or 3 months of sedentary, individually housed living. The condition of the femoral condyles was determined by scanning electron microscopy in 12 exercising hamsters, 12 sedentary hamsters, and 6 of the young controls. The content of proteoglycan, **hyaluronic** acid, hydroxyproline, and proline in synovial fluid and patellar **cartilage** was measured.

Results, By scanning electron microscopy, the femoral articular **cartilage** was smooth and undulating in young controls and older exercising hamsters, In contrast, the femoral condyles were fibrillated in all 12 of the sedentary hamsters, There was no difference in the patellar **cartilage** collagen content between the 3 groups, but proteoglycan content and synthesis were lower in the patellar **cartilage** of the sedentary group. Synovial fluid volume was also decreased in the sedentary group compared with the young controls or the older exercising hamsters,

Conclusion. A sedentary lifestyle in the hamster leads to a lower proteoglycan content in the **cartilage** and a lower synovial fluid volume. These changes are associated with **cartilage** fibrillation, pitting, and fissuring. Daily exercise prevents early **cartilage degeneration** and maintains normal articular **cartilage**.

L12 ANSWER 5 OF 37 USPATFULL
AN 2003:65819 USPATFULL
TI Device for regeneration of articular **cartilage** and other tissue
IN Brekke, John H., Duluth, MN, UNITED STATES
Bradica, Gino, Claremont, NH, UNITED STATES
Goldman, Scott M., Paoli, PA, UNITED STATES
PI US 2003045943 A1 20030306
AI US 2002-199961 A1 20020719 (10)
RLI Continuation-in-part of Ser. No. US 1998-206604, filed on 7 Dec 1998, GRANTED, Pat. No. US 6264701 Division of Ser. No. US 1994-242557, filed on 13 May 1994, GRANTED, Pat. No. US 5981825
DT Utility
FS APPLICATION
LREP Alan D. Kamrath, Kensey Nash Corporation, 55 E. Uwchlan Avenue, Exton, PA, 19341
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1263
AB An implantable device for facilitating the healing of voids in bone, **cartilage** and soft tissue is disclosed. A preferred embodiment includes a **cartilage** region comprising a polyelectrolytic complex joined with a subchondral bone region. The **cartilage** region, of this embodiment, enhances the environment for chondrocytes to grow articular **cartilage**; while the subchondral bone region enhances the environment for cells which migrate into that region's macrostructure and which differentiate into osteoblasts. A hydrophobic barrier exists between the regions, of this embodiment. In one embodiment, the polyelectrolytic complex transforms to hydrogel, following the implant procedure.

L12 ANSWER 6 OF 37 USPATFULL
AN 2003:38104 USPATFULL
TI VEGF fusion proteins
IN Kovesdi, Imre, Rockville, MD, UNITED STATES
Kessler, Paul D., Frederick, MD, UNITED STATES
PA GenVec, Inc., Gaithersburg, MD, UNITED STATES, 20878 (U.S. corporation)
PI US 2003027751 A1 20030206
AI US 2001-832355 A1 20010410 (9)
DT Utility
FS APPLICATION
LREP LEYDIG VOIT & MAYER, LTD, TWO PRUDENTIAL PLAZA, SUITE 4900, 180 NORTH STETSON AVENUE, CHICAGO, IL, 60601-6780
CLMN Number of Claims: 46
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 7034
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides therapeutic fusion proteins which include a first peptide portion comprising a first non-heparin binding VEGF peptide portion and a second non-VEGF peptide portion covalently associated with the first peptide portion, which first and second peptide portions separately promote angiogenesis, bone growth, wound healing, or any combination thereof. Further provided are polynucleotides encoding such fusion proteins, vectors including such polynucleotides, **methods**

of making such proteins, and **methods** of promoting angiogenesis, bone growth, and/or wound healing using such proteins, polynucleotides, and vectors.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 7 OF 37 USPATFULL
AN 2003:37603 USPATFULL
TI Human cDNAs and proteins and uses thereof
IN Bejanin, Stephane, Paris, FRANCE
Tanaka, Hiroaki, Antony, FRANCE
PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)
PI US 2003027248 A1 20030206
AI US 2001-924340 A1 20010806 (9)
PRAI US 2001-305456P 20010713 (60)
US 2001-302277P 20010629 (60)
US 2001-298698P 20010615 (60)
US 2001-293574P 20010525 (60)
DT Utility
FS APPLICATION
LREP GENSET, JOHN LUCAS, PHD, J.D., 10665 SORRENTO VALLEY RD, SAN DIEGO, CA, 92121
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 4 Drawing Page(s)
LN.CNT 25650
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention concerns GENSET polynucleotides and polypeptides. Such GENSET products may be used as reagents in forensic analyses, as chromosome markers, as tissue/cell/organelle-specific markers, in the production of expression vectors. In addition, they may be used in screening and diagnosis assays for abnormal GENSET expression and/or biological activity and for screening **compounds** that may be used in the **treatment** of GENSET-related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 8 OF 37 USPATFULL
AN 2003:37516 USPATFULL
TI Human cDNAs and proteins and uses thereof
IN Bejanin, Stephane, Paris, FRANCE
Tanaka, Hiroaki, Antony, FRANCE
PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)
PI US 2003027161 A1 20030206
AI US 2001-992600 A1 20011113 (9)
RLI Division of Ser. No. US 2001-924340, filed on 6 Aug 2001, PENDING
PRAI WO 2001-IB1715 20010806
US 2001-305456P 20010713 (60)
US 2001-302277P 20010629 (60)
US 2001-298698P 20010615 (60)
US 2001-293574P 20010525 (60)
DT Utility
FS APPLICATION
LREP John Lucas, Ph.D., J.D., GENSET CORP., 10665 Sorrento Valley Road, San Diego, CA, 92121-1609
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 4 Drawing Page(s)
LN.CNT 25529
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention concerns GENSET polynucleotides and polypeptides. Such GENSET products may be used as reagents in forensic analyses, as chromosome markers, as tissue/cell/organelle-specific markers, in the production of expression vectors. In addition, they may be used in

screening and diagnosis assays for abnormal GENSET expression and/or biological activity and for screening **compounds** that may be used in the **treatment** of GENSET-related disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 9 OF 37 USPATFULL
AN 2002:315279 USPATFULL
TI Assessing the condition of a joint and assessing **cartilage** loss
IN Lang, Philipp, Lexington, MA, UNITED STATES
Steines, Daniel, Palo Alto, CA, UNITED STATES
PI US 2002177770 A1 20021128
AI US 2001-953373 A1 20010914 (9)
PRAI US 2000-232637P 20000914 (60)
US 2000-232639P 20000914 (60)
DT Utility
FS APPLICATION
LREP COOLEY GODWARD, LLP, 3000 EL CAMINO REAL, 5 PALO ALTO SQUARE, PALO ALTO, CA, 94306
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN 21 Drawing Page(s)
LN.CNT 2925
AB **Methods** are disclosed for assessing the condition of a **cartilage** in a joint and assessing **cartilage** loss, particularly in a human knee. The **methods** include converting an image such as an MRI to a three dimensional map of the **cartilage**. The **cartilage** map can be correlated to a movement pattern of the joint to assess the affect of movement on **cartilage** wear. Changes in the thickness of **cartilage** over time can be determined so that therapies can be provided. The amount of **cartilage** tissue that has been lost, for example as a result of **arthritis**, can be estimated.

L12 ANSWER 10 OF 37 USPATFULL
AN 2002:273564 USPATFULL
TI Transforming growth factor-beta-related molecules and uses thereof
IN Jing, Shuqian, Thousand Oaks, CA, UNITED STATES
PI US 2002151695 A1 20021017
AI US 2001-995515 A1 20011128 (9)
PRAI US 2000-253476P 20001128 (60)
DT Utility
FS APPLICATION
LREP MCDONNELL BOEHNEN HULBERT & BERGHOFF, 300 SOUTH WACKER DRIVE, SUITE 3200, CHICAGO, IL, 60606
CLMN Number of Claims: 57
ECL Exemplary Claim: 1
DRWN 11 Drawing Page(s)
LN.CNT 4163
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides Transforming Growth Factor-Beta-Related (TGF-.beta.-R) polypeptides and nucleic acid molecules encoding the same. The invention also provides selective binding agents, vectors, host cells, and **methods** for producing TGF-.beta.-R polypeptides. The invention further provides pharmaceutical **compositions** and **methods** for the diagnosis, **treatment**, amelioration, and/or prevention of diseases, disorders, and conditions associated with TGF-.beta.-R polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 11 OF 37 USPATFULL

AN 2002:199250 USPATFULL
TI Novel metalloproteases having thrombospondin domains and nucleic acid **compositions** encoding the same
IN Heller, Renu Anand, Stanford, CA, UNITED STATES
Zuo, Fengrong, San Jose, CA, UNITED STATES
Klonowski, Paul, Cambridge, MA, UNITED STATES
PI US 2002107361 A1 20020808
AI US 2001-788043 A1 20010216 (9)
PRAI US 2000-184152P 20000218 (60)
DT Utility
FS APPLICATION
LREP Bret E. Field, BOZICEVIC, FIELD & FRANCIS LLP, Suite 200, 200 Middlefield Road, Menlo Park, CA, 94025
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 11 Drawing Page(s)
LN.CNT 2674
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel metalloproteases having thrombospondin domain(s) (MPTS proteins) and polypeptides related thereto, as well as nucleic acid **compositions** encoding the same, are provided. The subject polypeptide and nucleic acid **compositions** find use in a variety of applications, including diagnostic applications, therapeutic agent screening applications, as well as therapeutic applications for a variety of different conditions. Also provided are **methods** of **treating** disease conditions associated with aggrecanase activity, e.g. conditions characterized by the presence of aggrecan cleavage products, such as rheumatoid- and **osteo-arthritis**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 12 OF 37 USPATFULL
AN 2002:198680 USPATFULL
TI Extracellular matrix polynucleotides, polypeptides, and antibodies
IN Fiscella, Michele, Bethesda, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002106780 A1 20020808
AI US 2001-978249 A1 20011017 (9)
RLI Continuation-in-part of Ser. No. WO 2001-US11643, filed on 11 Apr 2001, UNKNOWN
PRAI US 2000-198123P 20000418 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 13488
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel human extracellular matrix polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant **methods** for producing human extracellular matrix polypeptides. The invention further relates to diagnostic and therapeutic **methods** useful for diagnosing and **treating** disorders related to these novel human extracellular matrix polypeptides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 13 OF 37 USPATFULL

AN 2002:171909 USPATFULL
TI ASSAY FOR YKL-40 AS A MARKER FOR DEGRADATION OF MAMMALLIAN CONNECTIVE TISSUE MATRICES
IN PRICE, PAUL A., LA JOLLA, CA, UNITED STATES
JOHANSEN, JULIA S., COPENHAGEN, DENMARK
PI US 2002090658 A1 20020711
AI US 1999-262213 A1 19990304 (9)
RLI Continuation of Ser. No. US 1996-581527, filed on 17 Apr 1996, PATENTED
Continuation of Ser. No. WO 1994-US7754, filed on 8 Jul 1994, UNKNOWN
Continuation-in-part of Ser. No. US 1993-89989, filed on 9 Jul 1993, ABANDONED
DT Utility
FS APPLICATION
LREP LAW OFFICES OF JONATHAN ALAN QUINE, P O BOX 458, ALAMEDA, CA, 94501
CLMN Number of Claims: 37
ECL Exemplary Claim: 1
DRWN 10 Drawing Page(s)
LN.CNT 1856
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention is a **method** of identifying the presence of, and monitoring, a disease state in a mammal which is associated with degradation of connective tissue in the mammal. The **method** detects and determines whether diagnostically or prognostically significant levels of YKL-40 protein and/or YKL-40 peptide are present in a biological sample. The **method** can be used, for example, to identify the presence of inflammatory or **degenerative** joint disease or **degeneration** of connective tissue in organs. Serum YKL-40 levels as detected and quantified by the inventive **method** are also suggestive of the prognosis for the length of survival in breast cancer patients following recurrence and/or metastasis of their cancers. The figure shows the elution position of substantially pure serum YKL-40 on a gel filtration column.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 14 OF 37 USPATFULL
AN 2002:112873 USPATFULL
TI Use of insulin for the **treatment** of cartilagenous disorders
IN Filvaroff, Ellen H., San Francisco, CA, UNITED STATES
Okumu, Franklin W., Oakland, CA, UNITED STATES
PA GENENTECH, INC. (U.S. corporation)
PI US 2002058614 A1 20020516
AI US 2001-815229 A1 20010322 (9)
PRAI US 2000-192103P 20000324 (60)
DT Utility
FS APPLICATION
LREP GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, 94080
CLMN Number of Claims: 48
ECL Exemplary Claim: 1
DRWN 26 Drawing Page(s)
LN.CNT 5581
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to **methods** for the **treatment** and repair of **cartilage**, including **cartilage** damaged by injury or cartilagenous disorders, including **arthritis**, comprising the administration of insulin and/or insulin variants. Optionally, the administration may be in combination with a **cartilage** agent (e.g., peptide growth factor, catabolism antagonist, **osteo**-, synovial, anti-inflammatory factor), in an extended- or sustained-release form. Alternatively, the **method** provides for the **treatment** and repair of **cartilage** damaged by injury or cartilagenous disorders comprising the administration of insulin and/or insulin in combination with standard surgical techniques. Alternatively, the

method provides for the **treatment** and repair of **cartilage** damaged by injury or cartilagenous disorders comprising the administration of chondrocytes previously **treated** with an effective amount of insulin and/or insulin variant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 15 OF 37 USPATFULL
AN 2002:99407 USPATFULL
TI Nucleic acids, proteins and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
PI US 2002052308 A1 20020502
AI US 2001-925301 A1 20010810 (9)
RLI Continuation of Ser. No. WO 2000-US5882, filed on 8 Mar 2000, UNKNOWN
PRAI US 1999-124270P 19990312 (60)
DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 30577
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to newly identified tissue specific cancer associated polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cancer antigens," and to the complete gene sequences associated therewith and to the expression products thereof, as well as the use of such tissue specific cancer antigens for detection, prevention and **treatment** of tissue specific disorders, particularly the presense of cancer. This invention relates to the cancer antigens as well as vectors, host cells, antibodies directed to cancer antigens and recombinant and synthetic **methods** for producing the same. Also provided are diagnostic **methods** for diagnosing and **treating**, preventing and/or prognosing tissue specific disorders, including cancer, and therapeutic **methods** for **treating** such disorders. The invention further relates to screening **methods** for identifying agonists and antagonists of cancer antigens of the invention. The present invention further relates to **methods** and/or **compositions** for inhibiting the production and/or function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 16 OF 37 USPATFULL
AN 2002:78729 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002042386 A1 20020411
AI US 2001-764870 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
US 2000-180628P 20000204 (60)
US 2000-214886P 20000628 (60)
US 2000-217487P 20000711 (60)
US 2000-225758P 20000814 (60)
US 2000-220963P 20000726 (60)
US 2000-217496P 20000711 (60)
US 2000-225447P 20000814 (60)
US 2000-218290P 20000714 (60)
US 2000-225757P 20000814 (60)
US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)
US 2000-225267P 20000814 (60)
US 2000-216880P 20000707 (60)
US 2000-225270P 20000814 (60)
US 2000-251869P 20001208 (60)
US 2000-235834P 20000927 (60)
US 2000-234274P 20000921 (60)
US 2000-234223P 20000921 (60)
US 2000-228924P 20000830 (60)
US 2000-224518P 20000814 (60)
US 2000-236369P 20000929 (60)
US 2000-224519P 20000814 (60)
US 2000-220964P 20000726 (60)
US 2000-241809P 20001020 (60)
US 2000-249299P 20001117 (60)
US 2000-236327P 20000929 (60)
US 2000-241785P 20001020 (60)
US 2000-244617P 20001101 (60)
US 2000-225268P 20000814 (60)
US 2000-236368P 20000929 (60)
US 2000-251856P 20001208 (60)
US 2000-251868P 20001208 (60)
US 2000-229344P 20000901 (60)
US 2000-234997P 20000925 (60)
US 2000-229343P 20000901 (60)
US 2000-229345P 20000901 (60)
US 2000-229287P 20000901 (60)
US 2000-229513P 20000905 (60)
US 2000-231413P 20000908 (60)
US 2000-229509P 20000905 (60)
US 2000-236367P 20000929 (60)
US 2000-237039P 20001002 (60)
US 2000-237038P 20001002 (60)
US 2000-236370P 20000929 (60)
US 2000-236802P 20001002 (60)
US 2000-237037P 20001002 (60)
US 2000-237040P 20001002 (60)
US 2000-240960P 20001020 (60)
US 2000-239935P 20001013 (60)

DT Utility
FS APPLICATION
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 23133
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic **methods** for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic **methods** useful for diagnosing, **treating**, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening **methods** for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to **methods** and/or **compositions** for inhibiting or enhancing the production and function of the polypeptides of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 17 OF 37 USPATFULL
AN 2002:55324 USPATFULL
TI Device for regeneration of articular **cartilage** and other tissue
IN Brekke, John H., Duluth, MN, UNITED STATES
Goldman, Scott M., Paoli, PA, UNITED STATES
PI US 2002032488 A1 20020314
AI US 2001-909027 A1 20010719 (9)
RLI Continuation-in-part of Ser. No. US 1998-206604, filed on 7 Dec 1998, GRANTED, Pat. No. US 6264701 Division of Ser. No. US 1994-242557, filed on 13 May 1994, GRANTED, Pat. No. US 5981825
DT Utility
FS APPLICATION
LREP Alan D. Kamrath, Kensey Nash Corporation, 55 E. Uwchlan Avenue, Exton, PA, 19341
CLMN Number of Claims: 56
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1349
AB An implantable device for facilitating the healing of voids in bone, **cartilage** and soft tissue is disclosed. A preferred embodiment includes a **cartilage** region comprising a polyelectrolytic complex joined with a subchondral bone region. The **cartilage** region, of this embodiment, enhances the environment for chondrocytes to grow articular **cartilage**; while the subchondral bone region enhances the environment for cells which migrate into that region's macrostructure and which differentiate into osteoblasts. A hydrophobic barrier exists between said regions, of this embodiment. In one embodiment, the polyelectrolytic complex transforms to hydrogel, following the implant procedure.

L12 ANSWER 18 OF 37 USPATFULL
AN 2002:54632 USPATFULL
TI ASSAY FOR YKL-40 AS A MARKER FOR DEGRADATION OF MAMMALIAN CONNECTIVE TISSUE MATRICES
IN PRICE, PAUL A., LA JOLLA, CA, UNITED STATES
JOHANSEN, JULIA S., COPENHAGEN, DENMARK
PI US 2002031793 A1 20020314
AI US 1998-215077 A1 19981218 (9)
RLI Continuation of Ser. No. US 1996-581527, filed on 17 Apr 1996, GRANTED, Pat. No. US 5935798 A 371 of International Ser. No. WO 1994-US7754, filed on 8 Jul 1994, UNKNOWN Continuation-in-part of Ser. No. US 1993-89989, filed on 9 Jul 1993, ABANDONED
DT Utility
FS APPLICATION
LREP TOM HUNTER, c/o SKJERVEN MORRILL MacPHERSON LLP, 25 METRO DRIVE, SUITE 700, SAN JOSE, CA, 95110
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN 10 Drawing Page(s)
LN.CNT 1786
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention is a **method** of identifying the presence of, and monitoring, a disease state in a mammal which is associated with degradation of connective tissue in the mammal. The **method** detects and determines whether diagnostically or prognostically significant levels of YKL-40 protein and/or YKL-40 peptide are present in a biological sample. The **method** can be used, for example, to identify the presence of inflammatory joint disease or **degeneration** of connective tissue in organs. Serum YKL-40 levels as detected and quantified by the invention **method** are also suggestive of the prognosis for the length of survival in breast cancer patients following recurrence and/or metastasis of their cancers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 19 OF 37 USPATFULL
AN 2002:37336 USPATFULL
TI Transdermal delivery system
IN Dransfield, Charles William, Lake Cathie, AUSTRALIA
PI US 2002022052 A1 20020221
AI US 2001-863764 A1 20010524 (9)
PRAI AU 2000-8885 20000721
AU 2000-6691 20000406
DT Utility
FS APPLICATION
LREP Paul F. McQuade, GREENBERG TRAURIG, 12th FLOOR, 1750 TYSONS BLVD., MCLEAN, VA, 22102
CLMN Number of Claims: 32
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 1341
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A transdermal or transepithelial **composition** and a **method** for making a transdermal or transepithelial **composition** substantially free of water comprising a biologically active agent in the form of microfined particles, sized less than 2 microns down to less than 0.1 microns, which by massage pressure are mechanically entrained within the interstices of the stratum corneum. Particles less than 0.5 microns do not require a carrier for entrainment. Delivery into mucosal epithelia is obtained by particles less than one micron with delivery increasing with decreasing particle size.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 20 OF 37 USPATFULL
AN 2002:16578 USPATFULL
TI **Composition** and **method** for **treating** inflammatory diseases
IN Boone, Thomas C., Newbury Park, CA, UNITED STATES
Hershenson, Susan, Newbury Park, CA, UNITED STATES
Bevilacqua, Michael P., Boulder, CO, UNITED STATES
Collins, David S., Fishers, IN, UNITED STATES
PA Amgen Inc. (U.S. corporation)
PI US 2002009454 A1 20020124
AI US 2001-784623 A1 20010215 (9)
RLI Division of Ser. No. US 1998-131247, filed on 7 Aug 1998, PENDING
PRAI WO 1997-US2131 19970210
US 1997-55185P 19970808 (60)
DT Utility
FS APPLICATION
LREP Timothy J. Gaul, U.S. Patent Operations/TJG, Dept. 4300, M/S 27-4-A, AMGEN, INC., One Amgen Center Drive, Thousand Oaks, CA, 91320-1799
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 14 Drawing Page(s)
LN.CNT 3525
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A protein which exhibits a therapeutic effect on inflammation and is useful for **treating** IL-1-mediated inflammatory diseases, particularly diseases of the joint.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 21 OF 37 USPATFULL
AN 2001:212429 USPATFULL

TI **Compositions** useful in the **treatment** of diseases of connective tissues
IN Ekanayake, V.G. Sunetra, Halifax, Canada
PI US 2001044425 A1 20011122
AI US 2001-842742 A1 20010425 (9)
PRAI US 2000-200361P 20000428 (60)
DT Utility
FS APPLICATION
LREP Gerald T. Shekleton, Esq., Welsh & Katz, Ltd., 22nd Floor, 120 S. Riverside Plaza, Chicago, IL, 60606
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN 6 Drawing Page(s)
LN.CNT 708
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB **Compositions** comprising ferrous ion and an ascorbate have a synergistic effect on **cartilage** development. Therapeutic **compositions** comprising ferrous ion and an ascorbate are therefore useful in the **treatment** of osteoarthritis. The addition of a glucosamine, such as glucosamine hydrochloride, to the **composition** has a further enhanced effect on **cartilage** production. Therapeutic **compositions** comprising ferrous ion, an ascorbate and a glucosamine derivative are even more useful in the **treatment** of osteoarthritis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 22 OF 37 USPATFULL
AN 2001:139603 USPATFULL
TI OSTEOGENIC DEVICES AND **METHODS** OF USE THEREOF FOR REPAIR OF ENDOCHONDRAL BONE, OSTEOCHONDRAL AND CHONDRAL DEFECTS
IN RUEGER, DAVID C., SOUTHBOROUGH, MA, United States
TUCKER, MARJORIE A., HOLLISTON, MA, United States
CHANG, AN-CHENG, WESTBOROUGH, MA, United States
PI US 2001016646 A1 20010823
AI US 1998-45331 A1 19980320 (9)
DT Utility
FS APPLICATION
LREP PATENT ADMINISTATOR, TESTA HURWITZ & THIBEAULT, LLP, HIGH STREET TOWER, 125 HIGH STREET, BOSTON, MA, 02110
CLMN Number of Claims: 49
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 5269
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed herein are improved osteogenic devices and **methods** of use thereof for repair of bone and **cartilage** defects. The devices and **methods** promote accelerated formation of repair tissue with enhanced stability using less osteogenic protein than devices in the art. Defects susceptible to repair with the instant invention include, but are not limited to: critical size defects, non-critical size defects, non-union fractures, fractures, osteochondral defects, subchondral defects, and defects resulting from **degenerative** diseases such as osteochondritis dessicans.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 23 OF 37 USPATFULL
AN 2001:134213 USPATFULL
TI IMPROVED OSTEOGENIC DEVICES AND **METHODS** OF USE THEREOF FOR REPAIR OF ENDOCHONDRAL BONE AND OSTEOCHONDRAL DEFECTS
IN RUEGER, DAVID C, SOUTHBOROUGH, MA, United States
TUCKER, MARJORIE A, HOLLISTON, MA, United States
PI US 2001014662 A1 20010816

AI US 1997-822186 A1 19970320 (8)
DT Utility
FS APPLICATION
LREP JAMES F. HALEY, FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, NEW YORK, NY, 100201104
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 4425
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed herein are improved osteogenic devices and **methods** of use thereof for repair of bone and **cartilage** defects. The devices and **methods** promote accelerated formation of repair tissue with enhanced stability using less osteogenic protein than devices in the art. Defects susceptible to repair with the instant invention include, but are not limited to: critical size defects, non-critical size defects, non-union fractures, fractures, osteochondral defects, subchondral defects, and defects resulting from **degenerative** diseases such as osteochondritis dessicans.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 24 OF 37 USPATFULL
AN 2001:116310 USPATFULL
TI Device and **methods** for in vivo culturing of diverse tissue cells
IN Brekke, John H., Duluth, MN, United States
PA Kensey Nash Corporation, Exton, PA, United States (U.S. corporation)
PI US 6264701 B1 20010724
AI US 1998-206604 19981207 (9)
RLI Division of Ser. No. US 1994-242557, filed on 13 May 1994, now patented, Pat. No. US 5981825
DT Utility
FS GRANTED
EXNAM Primary Examiner: Milano, Michael J.
LREP Kamrath, Alan D.Rider Bennett Egan & Arundel LLP
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 9 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 1148
AB An anatomically specific, bioresorbable, implant device for facilitating the healing of voids in bone, **cartilage** and soft tissue is disclosed. A preferred embodiment of using the implant device for facilitating the healing of a human joint lesion includes a **cartilage** region invested with an alginate microstructure joined with a subchondral bone region invested with a **hyaluronan** microstructure. The alginate selectively dispersed in the **cartilage** region enhances the environment for chondrocytes to grow articular **cartilage**. The **hyaluronan** selectively dispersed in the subchondral bone region enhances the environment for mesenchymal cells which migrate into that region's macrostructure and which differentiate into osteoblasts. The microstructures can be invested at varying concentrations in the regions. A hydrophobic barrier, strategically positioned within the subchondral bone region macrostructure, shields the chondrocytes from the oxygenated blood in subchondral cancellous bone. In the preferred form, the **cartilage** region includes a tangential zone including a network of intercommunicating void spaces having a horizontal orientation and in communication with synovial fluid and includes a radial zone including multiple void spaces oriented in both horizontal and vertical planes and providing intercommunication between the tangential zone and the subchondral bone region.

L12 ANSWER 25 OF 37 USPATFULL
AN 2000:77339 USPATFULL
TI **Method** for reducing tissue damage associated with ischemia-reperfusion or hypoxia injury
IN Kuberasampath, Thangavel, Medway, MA, United States
Pang, Roy H. L., Etna, NH, United States
Oppermann, Hermann, Medway, MA, United States
Rueger, David C., Hopkinton, MA, United States
Cohen, Charles M., Medway, MA, United States
Smart, John E., Weston, MA, United States
PA Creative BioMolecules, Inc., Boston, MA, United States (U.S. corporation)
PI US 6077823 20000620
AI US 1995-445467 19950522 (8)
RLI Continuation of Ser. No. US 1993-165511, filed on 9 Dec 1993, now abandoned which is a continuation of Ser. No. US 1992-938336, filed on 28 Aug 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-753059, filed on 30 Aug 1991, now abandoned And Ser. No. US 1991-752764, filed on 30 Aug 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-667274, filed on 30 Aug 1991, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Kemmerer, Elizabeth C.
LREP Elrifi, Ivor R., Morency, MichelMintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C.
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 10 Drawing Figure(s); 6 Drawing Page(s)
LN.CNT 3794
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to **methods** and **compositions** for alleviating tissue destructive effects associated with the inflammatory response to tissue injury in a mammal. The **methods** and **compositions** include administering a therapeutically effective concentration of a morphogen or morphogen-stimulating agent sufficient to alleviate immune cell-mediated tissue destruction.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 26 OF 37 USPATFULL
AN 2000:44203 USPATFULL
TI **Compositions** and therapeutic **methods** using morphogenic proteins and stimulatory factors
IN Lee, John C., San Antonio, TX, United States
Yeh, Lee-Chuan C., San Antonio, TX, United States
PA Stryker Corporation, Kalamazoo, MI, United States (U.S. corporation)
PI US 6048964 20000411
AI US 1995-570752 19951212 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Nutter, Nathan M.
LREP Fish & Neave, Haley, Jr., James F., Ruskin, Barbara A.
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 3062
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides pharmaceutical **compositions** comprising a morphogenic protein stimulatory factor (MPSF) for improving the tissue inductive activity of morphogenic proteins, particularly those belonging to the BMP protein family. **Methods** for improving the tissue inductive activity of a morphogenic protein in a

mammal using those **compositions** are provided. This invention also provides implantable morphogenic devices comprising a morphogenic protein and a MPSF disposed within a carrier, that are capable of inducing tissue formation in allogeneic and xenogeneic implants. **Methods** for inducing local tissue formation from a progenitor cell in a mammal using those devices are also provided. A **method** for accelerating allograft repair in a mammal using morphogenic devices is provided. This invention also provides a prosthetic device comprising a prosthesis coated with a morphogenic protein and a MPSF, and a **method** for promoting in vivo integration of an implantable prosthetic device to enhance the bond strength between the prosthesis and the existing target tissue at the joining site. **Methods** of **treating** tissue **degenerative** conditions in a mammal using the pharmaceutical **compositions** are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 27 OF 37 USPATFULL
AN 1999:142232 USPATFULL
TI Device and **methods** for in vivo culturing of diverse tissue cells
IN Brekke, John H., Duluth, MN, United States
PA THM Biomedical, Inc., Duluth, MN, United States (U.S. corporation)
PI US 5981825 19991109
AI US 1994-242557 19940513 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Clarke, Robert A.
LREP Kamrath, AlanPeterson, Wicks, Nemer & Kamrath, P.A.
CLMN Number of Claims: 42
ECL Exemplary Claim: 1
DRWN 9 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 1250
AB An anatomically specific, bioresorbable, implant device for facilitating the healing of voids in bone, **cartilage** and soft tissue is disclosed. A preferred embodiment of using the implant device for facilitating the healing of a human joint lesion includes a **cartilage** region invested with an alginate microstructure joined with a subchondral bone region invested with a **hyaluronan** microstructure. The alginate selectively dispersed in the **cartilage** region enhances the environment for chondrocytes to grow articular **cartilage**. The **hyaluronan** selectively dispersed in the subchondral bone region enhances the environment for mesenchymal cells which migrate into that region's macrostructure and which differentiate into osteoblasts. The microstructures can be invested at varying concentrations in the regions. A hydrophobic barrier, strategically positioned within the subchondral bone region macrostructure, shields the chondrocytes from the oxygenated blood in subchondral cancellous bone. In the preferred form, the **cartilage** region includes a tangential zone including a network of intercommunicating void spaces having a horizontal orientation and in communication with synovial fluid and includes a radial zone including multiple void spaces oriented in both horizontal and vertical planes and providing intercommunication between the tangential zone and the subchondral bone region.

L12 ANSWER 28 OF 37 USPATFULL
AN 1999:106108 USPATFULL
TI **Compositions** and therapeutic **methods** using morphogenic proteins and stimulatory factors
IN Lee, John C., San Antonio, TX, United States
Yeh, Lee-Chuan C., San Antonio, TX, United States
PA Stryker Corporation, Kalamazoo, MI, United States (U.S. corporation)

PI US 5948428 19990907
AI US 1996-761468 19961206 (8)
RLI Continuation-in-part of Ser. No. US 1995-570752, filed on 12 Dec 1995
DT Utility
FS Granted
EXNAM Primary Examiner: Azpuru, Carlos
LREP Fish & Neave, Haley, James F., Ruskin, Barbara A.
CLMN Number of Claims: 78
ECL Exemplary Claim: 1
DRWN 17 Drawing Figure(s); 16 Drawing Page(s)
LN.CNT 3767
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides pharmaceutical **compositions** comprising a morphogenic protein stimulatory factor (MPSF) for improving the tissue inductive activity of morphogenic proteins, particularly those belonging to the BMP protein family. **Methods** for improving the tissue inductive activity of a morphogenic protein in a mammal using those **compositions** are provided. This invention also provides implantable morphogenic devices comprising a morphogenic protein and a MPSF disposed within a carrier, that are capable of inducing tissue formation in allogeneic and xenogeneic implants. **Methods** for inducing local tissue formation from a progenitor cell in a mammal using those devices are also provided. A **method** for accelerating allograft repair in a mammal using morphogenic devices is provided. This invention also provides a prosthetic device comprising a prosthesis coated with a morphogenic protein and a MPSF, and a **method** for promoting in vivo integration of an implantable prosthetic device to enhance the bond strength between the prosthesis and the existing target tissue at the joining site. **Methods** of **treating** tissue **degenerative** conditions in a mammal using the pharmaceutical **compositions** are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 29 OF 37 USPATFULL
AN 1999:72563 USPATFULL
TI **Compositions** and therapeutic **methods** using morphogenic proteins and stimulatory factors
IN Lee, John C., San Antonio, TX, United States
Yeh, Lee-Chuan C., San Antonio, TX, United States
PA Stryker Corporation, Kalamazoo, MI, United States (U.S. corporation)
PI US 5916870 19990629
AI US 1998-158220 19980922 (9)
RLI Division of Ser. No. US 1998-27873, filed on 23 Feb 1998 which is a division of Ser. No. US 1995-570752, filed on 12 Dec 1995
DT Utility
FS Granted
EXNAM Primary Examiner: Nutter, Nathan M.
LREP Fish & Neave, Haley, James F., Ruskin, Barbara A.
CLMN Number of Claims: 42
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 3176
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides pharmaceutical **compositions** comprising a morphogenic protein stimulatory factor (MPSF) for improving the tissue inductive activity of morphogenic proteins, particularly those belonging to the BMP protein family. **Methods** for improving the tissue inductive activity of a morphogenic protein in a mammal using those **compositions** are provided. This invention also provides implantable morphogenic devices comprising a morphogenic protein and a MPSF disposed within a carrier, that are capable of inducing tissue formation in allogeneic and xenogeneic implants. **Methods** for inducing local tissue formation from a progenitor

cell in a mammal using those devices are also provided. A **method** for accelerating allograft repair in a mammal using morphogenic devices is provided. This invention also provides a prosthetic device comprising a prosthesis coated with a morphogenic protein and a MPSF, and a **method** for promoting in vivo integration of an implantable prosthetic device to enhance the bond strength between the prosthesis and the existing target tissue at the joining site. **Methods** of **treating** tissue **degenerative** conditions in a mammal using the pharmaceutical **compositions** are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 30 OF 37 USPATFULL
AN 1999:952 USPATFULL
TI Device and **methods** for in vivo culturing of diverse tissue cells
IN Brekke, John H., Duluth, MN, United States
Ringeisen, Timothy, Duluth, MN, United States
PA THM Biomedical, Inc., Duluth, MN, United States (U.S. corporation)
PI US 5855608 19990105
AI US 1994-367510 19941230 (8)
RLI Continuation-in-part of Ser. No. US 1994-242557, filed on 13 May 1994
DT Utility
FS Granted
EXNAM Primary Examiner: Clarke, Robert A.
LREP Peterson, Wicks, Nemer & Kamrath, P.A.
CLMN Number of Claims: 31
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 7 Drawing Page(s)
LN.CNT 1257
AB An anatomically specific, bioresorbable, implant device for facilitating the healing of voids in bone, **cartilage** and soft tissue is disclosed. A preferred embodiment of using the implant device for facilitating the healing of a human joint lesion includes a **cartilage** region invested with an alginate microstructure joined with a subchondral bone region invested with a **hyaluronan** microstructure. The alginate selectively dispersed in the **cartilage** region enhances the environment for chondrocytes to grow articular **cartilage**. The **hyaluronan** selectively dispersed in the subchondral bone region enhances the environment for mesenchymal cells which migrate into that region's macrostructure and which differentiate into osteoblasts. The microstructures can be invested at varying concentrations in the regions. A hydrophobic barrier, strategically positioned within the subchondral bone region macrostructure, shields the chondrocytes from the oxygenated blood in subchondral cancellous bone. In the preferred form, the **cartilage** region includes a tangential zone including a network of intercommunicating void spaces having a horizontal orientation and in communication with synovial fluid and includes a radial zone including multiple void spaces oriented in both horizontal and vertical planes and providing intercommunication between the tangential zone and the subchondral bone region.

L12 ANSWER 31 OF 37 USPATFULL
AN 1998:162472 USPATFULL
TI **Compositions** and therapeutic **methods** using morphogenic proteins and stimulatory factors
IN Lee, John C., San Antonio, TX, United States
Yeh, Lee-Chuan C., San Antonio, TX, United States
PA Stryker Corporation, Kalamazoo, MI, United States (U.S. corporation)
PI US 5854207 19981229
AI US 1998-27873 19980223
RLI Division of Ser. No. US 1995-570752, filed on 12 Dec 1995

DT Utility
FS Granted
EXNAM Primary Examiner: Nutter, Nathan M.
LREP Fish & Neave, Haley, Jr., James F., Ruskin, Barbara A.
CLMN Number of Claims: 28
ECL Exemplary Claim: 1
DRWN 12 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 3072
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides pharmaceutical **compositions** comprising a morphogenic protein stimulatory factor (MPSF) for improving the tissue inductive activity of morphogenic proteins, particularly those belonging to the BMP protein family. **Methods** for improving the tissue inductive activity of a morphogenic protein in a mammal using those **compositions** are provided. This invention also provides implantable morphogenic devices comprising a morphogenic protein and a MPSF disposed within a carrier, that are capable of inducing tissue formation in allogeneic and xenogeneic implants. **Methods** for inducing local tissue formation from a progenitor cell in a mammal using those devices are also provided. A **method** for accelerating allograft repair in a mammal using morphogenic devices is provided. This invention also provides a prosthetic device comprising a prosthesis coated with a morphogenic protein and a MPSF, and a **method** for promoting in vivo integration of an implantable prosthetic device to enhance the bond strength between the prosthesis and the existing target tissue at the joining site. **Methods** of **treating** tissue **degenerative** conditions in a mammal using the pharmaceutical **compositions** are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 32 OF 37 USPATFULL
AN 97:83943 USPATFULL
TI Anti-inflammatory **compounds** and **compositions**
IN Cullis-Hill, David, Bondi Junction, Australia
Ghosh, Peter, Fairlight, Australia
PA Anthropharm Pty. Limited, Bondi Junction, Australia (non-U.S. corporation)
PI US 5668116 19970916
AI US 1996-613535 19960311 (8)
RLI Continuation of Ser. No. US 1994-182541, filed on 18 Jan 1994, now abandoned which is a continuation-in-part of Ser. No. US 1993-71277, filed on 4 Jun 1993, now abandoned which is a division of Ser. No. US 1992-903081, filed on 10 Jun 1992, now patented, Pat. No. US 5470840 which is a division of Ser. No. US 1989-423455, filed on 19 Sep 1989, now patented, Pat. No. US 5145841
PRAI AU 1987-10951 19870319
AU 1987-12478 19870615
AU 1987-915819 19871209
DT Utility
FS Granted
EXNAM Primary Examiner: Peselev, Elli
LREP Nixon & Vanderhye
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN 24 Drawing Figure(s); 21 Drawing Page(s)
LN.CNT 1492
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A **method** for inactivating viruses which comprises the step of contacting the virus with an effective amount of a substantially pure divalent metal ion chelate of a polysulfate of xylan having glycosidically linked D-glucuronyl side chains with divalent metal ions chelated thereto wherein substantially all monovalent ions have been substituted by divalent metal ions, said divalent metal ions being

selected from the group consisting of Ca.sup.2+, Mg.sup.2+, Cu.sup.2+ and Zn.sup.2+.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 33 OF 37 USPATFULL
AN 95:105830 USPATFULL
TI Anti-inflammatory **compounds** and **compositions**
IN Cullis-Hill, David, Bondi Junction, Australia
Ghosh, Peter, Fairlight, Australia
PA Arthropharm Pty Limited, Bondi Junction, Australia (non-U.S. corporation)
PI US 5470840 19951128
AI US 1992-903081 19920610 (7)
RLI Division of Ser. No. US 1989-423455, filed on 19 Sep 1989, now patented, Pat. No. US 5145841
PRAI AU 1987-951 19870319
AU 1987-2478 19870615
AU 1987-5819 19871209
DT Utility
FS Granted
EXNAM Primary Examiner: Robinson, Douglas W.; Assistant Examiner: Peselev, Elli
LREP Nixon & Vanderhye
CLMN Number of Claims: 12
ECL Exemplary Claim: 1,7
DRWN 24 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 1338
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Multivalent metal ion complexes of a polysulfate of xylan having glycosidically linked D-glucuronyl side chains or derivatives thereof are provided, together with therapeutic **compositions** thereof having anti-inflammatory activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 34 OF 37 USPATFULL
AN 93:18234 USPATFULL
TI Hydrogel bead intervertebral disc nucleus
IN Bao, Qi-Bin, Livingston, NJ, United States
Higham, Paul A., Ringwood, NJ, United States
PA Pfizer Hospital Products Group, Inc., New York, NY, United States (U.S. corporation)
PI US 5192326 19930309
AI US 1991-756957 19910909 (7)
RLI Continuation-in-part of Ser. No. US 1990-633711, filed on 21 Dec 1990, now patented, Pat. No. US 5047055
DT Utility
FS Granted
EXNAM Primary Examiner: Frinks, Ronald
LREP Richardson, Peter C., Akers, Lawrence C., Augustin, Raymond W.
CLMN Number of Claims: 26
ECL Exemplary Claim: 1
DRWN 18 Drawing Figure(s); 8 Drawing Page(s)
LN.CNT 987
AB A prosthetic nucleus for implantation in the disc space after removal of a damaged or **degenerated** nucleus is formed from a multiplicity of hydrogel beads having a water content of at least 30%. The beads are covered by a semi-permeable membrane. The membrane has porosity less than the size of the beads to thereby retain the beads therein but permit fluids to flow in and out of the prosthetic nucleus.

L12 ANSWER 35 OF 37 USPATFULL

AN 92:74607 USPATFULL
TI Anti-inflammatory **compounds** and **compositions**
IN Cullis-Hill, David, Bondi Junction, Australia
Ghosh, Peter, Fairlight, Australia
PA Arthropharm PTY. Limited, NSW, Australia (non-U.S. corporation)
PI US 5145841 19920908
WO 8807060 19880922
AI US 1989-423455 19890919 (7)
WO 1988-AU77 19880321
19890919 PCT 371 date
19890919 PCT 102(e) date
PRAI AU 1987-951 19870319
AU 1987-2478 19870615
AU 1987-5819 19871209
DT Utility
FS Granted
EXNAM Primary Examiner: Griffin, Ronald W.; Assistant Examiner: Carson, Nancy S.
LREP Nixon & Vanderhye
CLMN Number of Claims: 3
ECL Exemplary Claim: 1
DRWN 24 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 1269
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB **Method** for the **treatment** of **arthritis**, rheumatism and inflammation of connective tissue in which a multivalent metal ion substantially pure complex of xylan polysulphate, wherein the multivalent metal ion is selected from the group consisting of Ca.sup.2+, Mg.sup.2+, Cu.sup.2+ and Zn.sup.2+ is administered to a patient in need of such **treatment**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 36 OF 37 USPATFULL
AN 91:73015 USPATFULL
TI Hydrogel intervertebral disc nucleus
IN Bao, Qi-Bin, Livingston, NJ, United States
Higham, Paul A., Ringwood, NJ, United States
PA Pfizer Hospital Products Group, Inc., New York, NY, United States (U.S. corporation)
PI US 5047055 19910910
AI US 1990-633711 19901221 (7)
DT Utility
FS Granted
EXNAM Primary Examiner: Frinks, Ronald
LREP Richardson, Peter C., Akers, Lawrence C., Augustin, Raymond W.
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN 9 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 575
AB A prosthetic nucleus for a vertebral disc is made of a hydrogel material. The hydrogel prosthetic nucleus has a shape generally conforming to the natural nucleus pulposus. The hydrogel has a water content of at least 30% and has a compressive strength of 4MNm.sup.-2 or greater. When the hydrogel material is dehydrated, it has a dimension of less than half of that of the hydrated hydrogel nucleus. The prosthetic nucleus may be formed of two or more pieces of hydrogel material which pieces, when combined, have a shape generally conforming to the natural nucleus.

L12 ANSWER 37 OF 37 USPATFULL
AN 91:3080 USPATFULL
TI Viscoelastic fluid for use in surgery and other therapies and

method of using same
IN Pennell, Phillip E., Denver, CO, United States
Blackmore, John M., Redwood City, CA, United States
Allen, Mark D., Lakewood, CO, United States
PA MDR Group, Inc., Golden, CO, United States (U.S. corporation)
PI US 4983585 19910108
AI US 1988-266684 19881103 (7)
RLI Continuation-in-part of Ser. No. US 1987-45326, filed on 4 May 1987, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Friedman, Stanley J.; Assistant Examiner: Fay, Zohreh A.
LREP Fliesler, Dubb, Meyer & Lovejoy
CLMN Number of Claims: 1
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 671
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to an improved viscoelastic fluid or gel for use in surgery and other therapies which consists of polyethylene oxide in selected concentrations not to exceed approximately 15% (15,000 ppm), contained in a physiologic balanced salt solution. The PEO may also be used in conjunction with viscosity enhancers which also act as heat stabilizers such as methyl cellulose and its derivatives, polyvinyl pyrrolidone or polyvinyl, alcohol or in conjunction with elasticizers such as low molecular weight polyethylene glycols or polypropylene glycols or in conjunction with gelation modifiers. These mixtures may be modified to increase retention time in the body by crosslinking with the use of materials like dimethylol urea. The invention encompasses the novel **method** of protecting and lubricating the corneal tissues during surgery with uses of different concentrations of the same solution introduced simultaneously to protect the inner cornea while periodically irrigating the outer cornea, all without obscuring the surgeon's view of the site. This invention also prevents the development of wound adhesion and has many utilizations in orthopedics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 11:16:39 ON 20 MAR 2003)

FILE 'REGISTRY' ENTERED AT 11:16:58 ON 20 MAR 2003
L1 1 S 123352-36-3

FILE 'HCAPLUS' ENTERED AT 11:17:23 ON 20 MAR 2003
L2 0 S L1 AND (OSTEOARTHRI? OR ARTHRIT?)
L3 0 S L1 AND CARTILAGE

FILE 'REGISTRY' ENTERED AT 11:19:02 ON 20 MAR 2003
L4 1 S 123352-36-3/RN

FILE 'MSDS-OHS' ENTERED AT 11:19:04 ON 20 MAR 2003
SET NOTICE 1 DISPLAY
SET LIN 80
L5 0 S L4 AND 1/RN.CNT
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 11:20:09 ON 20 MAR 2003
SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY

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     FILE 'HCAPLUS' ENTERED AT 11:21:58 ON 20 MAR 2003

     FILE 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS,
     PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL,
     USPAT2, WPINDEX, WTEXTILES' ENTERED AT 11:22:15 ON 20 MAR 2003
L6        225795 S ARTHRITI?
L7          4097 S L6 AND OSTEO
L8          1349 S L7 AND CARTILAGE
L9           353 S L8 AND (COMPOS? OR COMPOUN?)
L10           79 S L9 AND (HYALURON? OR CHONDROITIN)
L11           67 S L10 AND (TREAT? OR METHOD)
L12           37 S L11 AND DEGENER?
L13            0 S L9 AND VISCOAT

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COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     136.31     150.51

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -0.65      -0.65

FILE 'MEDLINE' ENTERED AT 11:30:14 ON 20 MAR 2003

 FILE LAST UPDATED: 19 MAR 2003 (20030319/UP). FILE COVERS 1958 TO DATE.

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 MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the
 MeSH 2003 vocabulary. See http://www.nlm.nih.gov/mesh/summ2003.html
 for a description on changes.

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 substance identification.

=> s l12
          97364 ARTHRITI?
           1961 OSTEO
          42954 CARTILAGE
           3876 CARTILAGES
          44464 CARTILAGE
                (CARTILAGE OR CARTILAGES)
         227390 COMPOS?
         379385 COMPOUN?
          16022 HYALURON?
          10256 CHONDROITIN
             34 CHONDROITINS
          10264 CHONDROITIN
                (CHONDROITIN OR CHONDROITINS)
        1845426 TREAT?
         682389 METHOD
        1786459 METHODS
        2189467 METHOD
                (METHOD OR METHODS)
          90198 DEGENER?
L14           0 L11 AND DEGENER?

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COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.38     150.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
```

```
                                                          ENTRY     SESSION
CA SUBSCRIBER PRICE                                        0.00       -0.65

FILE 'BIOSIS' ENTERED AT 11:30:43 ON 20 MAR 2003
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FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 19 March 2003 (20030319/ED)


=> s l12
          75333 ARTHRITI?
          12984 OSTEO
          28323 CARTILAGE
           1598 CARTILAGES
          28898 CARTILAGE
                  (CARTILAGE OR CARTILAGES)
         452403 COMPOS?
         339585 COMPOUN?
          14904 HYALURON?
           9358 CHONDROITIN
             43 CHONDROITINS
           9372 CHONDROITIN
                  (CHONDROITIN OR CHONDROITINS)
        1604529 TREAT?
        2064108 METHOD
        2081214 METHODS
        2738532 METHOD
                  (METHOD OR METHODS)
          80397 DEGENER?
L15           0 L11 AND DEGENER?

=> file embase
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY     SESSION
FULL ESTIMATED COST                                       0.84      151.73

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY     SESSION
CA SUBSCRIBER PRICE                                       0.00       -0.65

FILE 'EMBASE' ENTERED AT 11:31:09 ON 20 MAR 2003
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 FILE COVERS 1974 TO 13 Mar 2003 (20030313/ED)

 EMBASE has been reloaded. Enter HELP RLOAD for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s l12
          82018 ARTHRITI?
           1584 OSTEO
          38360 CARTILAGE
           1885 CARTILAGES
          38902 CARTILAGE
                  (CARTILAGE OR CARTILAGES)
         196648 COMPOS?
        1501118 COMPOUN?
          13907 HYALURON?
```

```
          7928 CHONDROITIN
            29 CHONDROITINS
          7937 CHONDROITIN
                 (CHONDROITIN OR CHONDROITINS)
       1740207 TREAT?
        566888 METHOD
        642116 METHODS
       1098605 METHOD
                 (METHOD OR METHODS)
         88101 DEGENER?
L16          0 L11 AND DEGENER?

=> dis hist

     (FILE 'HOME' ENTERED AT 11:16:39 ON 20 MAR 2003)

     FILE 'REGISTRY' ENTERED AT 11:16:58 ON 20 MAR 2003
L1           1 S 123352-36-3

     FILE 'HCAPLUS' ENTERED AT 11:17:23 ON 20 MAR 2003
L2           0 S L1 AND (OSTEOARTHRI? OR ARTHRIT?)
L3           0 S L1 AND CARTILAGE

     FILE 'REGISTRY' ENTERED AT 11:19:02 ON 20 MAR 2003
L4           1 S 123352-36-3/RN

     FILE 'MSDS-OHS' ENTERED AT 11:19:04 ON 20 MAR 2003
                 SET NOTICE 1 DISPLAY
                 SET LIN 80
L5           0 S L4 AND 1/RN.CNT
                 SET NOTICE LOGIN DISPLAY

     FILE 'REGISTRY' ENTERED AT 11:20:09 ON 20 MAR 2003
                 SET NOTICE 1 DISPLAY
                 SET NOTICE LOGIN DISPLAY

     FILE 'HCAPLUS' ENTERED AT 11:21:58 ON 20 MAR 2003

     FILE 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS,
     PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL,
     USPAT2, WPINDEX, WTEXTILES' ENTERED AT 11:22:15 ON 20 MAR 2003
L6       225795 S ARTHRITI?
L7         4097 S L6 AND OSTEO
L8         1349 S L7 AND CARTILAGE
L9          353 S L8 AND (COMPOS? OR COMPOUN?)
L10          79 S L9 AND (HYALURON? OR CHONDROITIN)
L11          67 S L10 AND (TREAT? OR METHOD)
L12          37 S L11 AND DEGENER?
L13           0 S L9 AND VISCOAT

     FILE 'MEDLINE' ENTERED AT 11:30:14 ON 20 MAR 2003
L14          0 S L12

     FILE 'BIOSIS' ENTERED AT 11:30:43 ON 20 MAR 2003
L15          0 S L12

     FILE 'EMBASE' ENTERED AT 11:31:09 ON 20 MAR 2003
L16          0 S L12
```